

• COLORADO RIVER •
AQUEDUCT NEWS

THE METROPOLITAN WATER DISTRICT



OF SOUTHERN CALIFORNIA

Vol. II

DECEMBER 8, 1935

No. 23



CROSS-COUNTRY

Looking from the top of Eagle Mountain pump lift site, over conduit section being built by Three Companies, Inc., toward the West Portal of Coxcomb tunnel.

COLORADO RIVER AQUEDUCT NEWS

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

LOS ANGELES, CALIFORNIA

Published twice monthly in the interest of Field and Office Workers on the Colorado River Aqueduct, and for the information of all other citizens of the Metropolitan Water District.

Vol. II December 8, 1935 No. 23

AQUEDUCT HOSPITALITY

As work on the Colorado River Aqueduct moves forward the magnitude of the project is becoming more and more understood throughout the Metropolitan Water District, the country as a whole, and even the world.

As a natural result of this wider understanding of the job, more and more visitors are finding their way out along the aqueduct line. From Southern California, from the Midwest, from the East, from Europe and the Orient they come. All are seeking first-hand information on America's largest public works project.

Many of these people come unannounced, and are unknown to the men on the job. And yet many of them have been so favorably impressed by the efficiency of the work, the splendid personnel they find, and the friendly reception accorded them, that they have taken the trouble to write laudatory letters to District headquarters.

These unsolicited testimonials to the consideration and courtesy shown by aqueduct employees should be a source of gratification to everyone interested in the success of the project.

They mean that the boss is pleased; for, after all, these people are, collectively, the boss of every man connected with the aqueduct job.

It should not be forgotten for one moment that the Colorado River Aqueduct is a great public enterprise. It belongs to the people of the Metropolitan Water District who are paying for it and who are benefiting from it. It is of the utmost importance, therefore, that the people of the Metropolitan Water District be familiar with the progress of work on their aqueduct. And it is the duty and responsibility of everyone connected with the project to make the most of every opportunity to lend his assistance toward that end.

A good job has been done in this connection so far, and it should be continued.



B. H. Martin



C. P. Weaver

C. P. WEAVER ASSIGNED TO NEW POST; SUCCEEDED BY B. H. MARTIN AT BANNING

A change of personnel of general interest along the aqueduct line occurred last week when C. P. (Bud) Weaver, veteran superintendent of the Operations Division, was named transmission line engineer on the new Boulder Dam-Aqueduct power transmission line and telephone line.

At the same time it was announced that B. H. Martin, member of Chief Electrical Engineer Gaylord's staff in the Los Angeles office, has been appointed to succeed Mr. Weaver as superintendent of operations, with headquarters at Banning.

The new transmission line engineer's headquarters will be at the Goff's Switching Station, near the point where the two arms of the power line diverge toward Parker Dam and Hayfield. A temporary camp already has been established there, and plans call for the erection of permanent buildings in the near future.

Mr. Weaver has been employed by the Metropolitan Water District for three years, having supervised the construction and operation of all power and telephone lines, roads and water lines. He received his engineering education at Drexel Institute. Prior to joining the Metropolitan Water District staff he was employed for approximately 20 years on various projects of Stone & Webster, including the famous Bagnel Dam power line to St. Louis, Missouri.

Mr. Martin also has been with the District for three years. A graduate of the University of Wisconsin, his career prior to joining the aqueduct forces included substation construction for the city of Glendale, a period on the staff of the Bureau of Power & Light of the city of Los Angeles, a period in the employ of the Cities Service Corporation in the east, and two years in the field artillery during the war.

TENNIS COURT

Finest on the Aqueduct! At least that's what denizens of Division 2 headquarters claim for their tennis court, which was completed recently and now is getting plenty of use.

NEW ROAD

Perry Yates, superintendent for Six Companies at Parker Dam, announces that work on the road to the gravel plant on the Bill Williams river will be started in a few days.

Bids Called On Iron Mt. Plant

Preparing to forge another link in the Colorado River Aqueduct, Metropolitan Water District engineers have issued a call for bids on the construction of the project's Iron Mountain Pumping Plant, one of five similar stations that will lift Colorado River water a total of 1,600 feet on its long journey into the Coastal Plain.

Located in the desert, approximately 230 miles east of Los Angeles, the Iron Mountain pumping station will raise the aqueduct water to the level of the east portal of the Iron Mountain tunnel. Contractor's bids on the plant's construction will be opened on January 14, 1936.

The Iron Mountain plant, like the other four, will be of heavy reinforced concrete construction, with modernistic architectural treatment. The buildings will be roofed with mission tile.

Each of the five plants ultimately will contain nine pumping units of about 200 cubic feet per second capacity, or a total capacity of more than one billion gallons of water daily.

Award of a contract in the amount of \$1,731,782 for the construction of the Intake and Gene pumping stations already has been made by the Board of Directors of the District.

The construction firms of Winston Brothers and William C. Crowell, low bidders on the job, received the award. Total cost of the work, including the cost of materials, engineering, and other items to be furnished by the District, is estimated at \$2,559,132.

The Intake Pumping Plant is on the Colorado River and the Gene Plant is located about two miles south of the aqueduct intake and two miles west of the river.

Bids on the two remaining plants—at Eagle Mountain and Hayfield Reservoir—will be called for in the near future.

All five of the aqueduct pumping plants are to be operated with power generated at Boulder Dam and carried to the aqueduct over the new transmission line on which work is now being launched. Aqueduct pumping will consume 36 per cent of all the energy generated at the dam, making the Metropolitan Water District the Federal Government's largest single customer for Boulder Dam power.

(See Picture on Page 8.)



School Days at Parker Dam.

SCHOOL AT PARKER DAM LARGEST ON AQUEDUCT

With more than 150 students enrolled and a steady increase expected during the next few months, work was going forward this week on the enlargement of facilities at the Parker Dam School, already the largest on the aqueduct.

Workmen are now adding another room to the school building and another teacher is scheduled to be added to the staff in the near future. The school building is furnished by the Reclamation Bureau, while teachers and equipment are provided by San Bernardino County.

The staff is headed by Miss Beulah Watson, who is principal and gives instruction to the children of high school age. John Eckhardt teaches the intermediate grades; Miss Ella Lehr, the Third and Fourth Grades, and Miss Carol Roberts, the First and Second Grades.

The student body includes the following:

Patricia Batchelor, May Bolt, June Howard, Vivian Jackson, Elizabeth Korteum, Billie Jo McGaha, Helen Sharp, El Nora Sharp, Beverly Smith, Fern Vickers, Bobby Bailey, Richard Davis, Jimmie Joplin, Ted Henriksen, Norman Kelly, Hailow Newton, Jerald Van Vechten, Dale Webster, Virginia Amer, Barbara Broton, Betty May Davis, Nancy Deming, June Dietrich, and Margaret Griffin.

Ruby Howard, Marcene Newton, Waldene Peran, Joyce Sanderson, Sydney Amer, Herman Barnett, Jackie Brady, Carl Croft, Donald Gibson, Robert Hicks, Thomas Johnson, Jerry

Tipton, Mickey Vasarhely, Earl McGhee, Billy Verzani, Alden Yates, Katherine Brady, Lynn Fern, and Norma Hogsett.

Mary Korteum, Rita Leivas, Carolyn Rowland, Orville Barnett, Jack Broton, Bernard Johns, Joe Korteum, Claude McIntosh, Jerry McGaha, Keith Vose, Billy Wallace, Ellen Anderson, Artie Bailey, Donna Beauvais, Vonnice Bonner, Rufine Coffey, Betty Erbey, Margaret Hughes, Maivas Hodges, Margaret Ochoa, and Iris Ramey.

Pauline Schwanbeck, Rosemary Sharp, Marian Sterling, Helen Wills, Junior Erbey, Jack Hurst, Junior Montgomery, Edward Ochoa, Robert Ross, Clarence Stephan, Jean Deitrich, Shirley Newton, Kay Hossfeld, Flora Flood, Frances Flood, Milton Reynolds, James Reynolds, Clara Cox, Elaine Freeman, Irene Cronin and Ed Kenny.

Clevonia Ramey, Dorian Grondona, Mary Ellen Barrett, Gerry Casey, Clyde Hattenhaur, Armeline Cox, Dorothy Cox, Charlene Coffey, Wilbur Martin, Joyce Whitson, Charles Beauvais, Romaine Freeman, Frances Cronin, Mabelle Sharp, Frances McShane, Jack Gibson, Shirley Sherman, Jane Parker, Ruth Schwanbeck, Eugene Munson, Lyle Newmen, Marjorie Clapp, Jack Frame, Eloise Akers, Minnie Shockley, and Joe Ochoa.

Leith Newman, Jane Anderson, Victor Stephan, Evelyn Akers, Robert Nichols, Dick Frame, Bob Killion, Shirley McShane, Frances Luktz, Edith

(Continued on Page 8.)

CONSTRUCTION PROGRESS

November 1-30, 1935

TUNNEL EXCAVATION (MILES)
Completed Remaining

Aqueduct 81.70 10.14
Distribution 6.10 9.59
Total 87.80 19.73

CANAL, CONDUIT AND SIPHON (MILES)
Completed Remaining

Excavation 74.42 69.07
Concrete 41.66 100.78
Back fill 13.69 67.02

* TUNNEL LINING (MILES)
Completed Remaining

Aqueduct 22.21 69.62
Distribution 0 15.69
Total 22.21 85.31

* Arch considered to equal 0.9 of completed section.

Directory

BOARD OF DIRECTORS

W. P. Whitsett, Chairman
Franklin W. Thomas, Vice-Chairman
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Burbank J. L. Norwood
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Fullerton Walter H. Breyers
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Chief Elec. Engineer, J. M. Gayford
Asst. to Gen. Mgr., Don J. Kinsey
Secretary to General Manager Elisabeth von Hagen

DIVISION ENGINEERS

Division 1 R. C. Booth
Division 2 W. E. Whittier
Division 3 John Stearns
Division 4 B. C. Leadbetter
Divisions 5 & 6 J. B. Bond
Distribution R. E. Diemer

SUPERINTENDENTS

(Main Aqueduct Tunnels)
Colorado River, Copper Basin and Whipple Mt. Tunnels, Walsh Construction Co., W. A. Huntington and L. M. Kamey, Tunnel Supts.
Coxcomb Tunnel and Iron Mt. shaft, Winston Bros., E. A. Berhard, Gen. Supt.; F. T. Hillman and R. V. Johnson, Tunnel Supts.
Iron Mt. Tunnel, West Portal, Utah Construction Co., Ben Arp, Gen. Supt.
East Eagle Mt. Tunnel and West Eagle Mt. Tunnel, east portion, Broderick & Gordon, C. J. Kavanagh, Gen. Supt.
West Eagle Mt. Tunnel, west portion, L. E. Dixon and Bent Bros., F. C. Guinn, Gen. Supt.
Hayfield Tunnel No. 1, Hunkin & Conkey Constr. Co., G. B. Hoag, Gen. Supt.; F. Backlund, Tunnel Supt.
Cottonwood Tunnel, J. F. Shea Co., Inc., Gilbert Shea, Gen. Mgr.; Wallace Young, Master Mechanic.
Coachella Division, B. C. Leadbetter, Gen. Supt.
Fargo Adit, E. Coachella Tunnel—Dist. Force Acct., Neil O'Donnell
Berdo Adit, E. Coachella Tunnel—Dist. Force Acct., John Jackman
Pushawalla Adit, and Berdo Aggregate plant,
East Coachella Tunnel—Dist. Force Acct., F. A. Weller

TUNNEL PROGRESS

CONTRACTOR	TUNNEL	LENGTH IN FEET	EXCAVATION IN FEET			LINING IN FEET			REMAINING
			NUMBER OF SHIFTS	AVERAGE PER SHIFT	THIS PERIOD	NUMBER OF SHIFTS	AVERAGE PER SHIFT	THIS PERIOD	

AQUEDUCT—CONTRACT

WALSH CONSTRUCTION CO.	COLORADO RIVER	5,482		Completed	5,482			0	0	Arch Invert	0	5,475	7	5,482
	COPPER BASIN NO. 1	705		Completed	705			0	0	Arch Invert	0	696	9	705
	COPPER BASIN NO. 2	11,568		Completed	11,568			0	0	Arch	64	67.2	6,113	5,465
	WHIPPLE MOUNTAIN	(32,238)		Completed	(32,238)			0	0			0	0	(32,238)
WINSTON BROTHERS	IRON MT. (E. PORTION)	18,336	69	11.4	791	18,336		0	0					
	East from Adit	13,502		Completed	13,502			0	0					
UTAH CONSTRUCTION CO	IRON MT. (E. PORTION)	9,844	78	6.4	521	9,844		(519)	519			0	0	(23,587)
	West from Shaft	13,743		Completed	13,743			0	0					
WINSTON BROTHERS	IRON MT. (W. PORTION)	16,172		Completed	16,172			0	0			0	0	16,172
	COXCOMB (From E. Portal)	17,795	78	8.1	628	16,384		1,411				0	0	17,795
BRODERICK & GORDON	E. EAGLE (From W. Portal)	9,442	52	7.3	380	7,772		1,670				0	0	9,442
	W. EAGLE (E. PORTION)	(15,845)		Completed	(15,845)			0	0			0	0	(15,845)
L. E. DIXON & BENT BROS.	East from Adit	7,871	10	3.0	30	7,871		0	0					
	West from Adit	7,974	10	3.0	30	7,974		0	0					
HUNKIN & CONKEY CON. CO.	W. EAGLE (W. PORTION)	10,649		Completed	10,649			0	0	Arch Invert	72	55.8	4,282	2,985
	HAYFIELD NO. 1	9,733		Completed	9,733			0	0	Arch Invert	1	4.0	0	9,733
J. F. SHEA CO., INC.	COTTONWOOD	20,105		Completed	20,105			0	0	Arch Invert	27	43.9	11,850	0
	BERNASCONI	6,220		Completed	6,220			0	0	Arch Invert	54	86.6	6,220	0
DRAVO CONTRACTING CO.	VALVERDE	(38,015)		Completed	(37,081)			(934)						
	East Portal to Shaft 3	21,415		Completed	21,415			0	0	Arch Invert	84	19.7	1,655	21,890
	West from Shaft 3	12,067		Completed	8,964			0	0					28,569
	East from Adit	4,533	81	4.6	372	3,103		934						
HAMILTON & GLEASON	TOTALS	217,556	378	7.3	2752 (0.51)	213,022		4,534 (0.86)		Arch Invert	136	63.1	8,584	145,445
		(41,211)				(40,36)					166	109.6	18,189	172,062

AQUEDUCT — FORCE ACCOUNT

EAST COACHELLA	West Portal to Fargo Adit	(96,605)		Completed	(95,280)			(1,325)		Arch	78	47.1	3,670	(6,715)	(89,890)
	West from Fargo Adit	32,130		Completed	32,130			0	0					5,610	31,024
	East from Berdo Adit	31,024		Completed	14,076			1,325		Arch	49	22.6	1,105	0	31,024
	Berdo Adit to West Portal	33,451	78	8.4	655	33,451		0	0	Arch	76	54.8	0	0	32,346
1000 PALMS NO. 1 (From W.P.)	1000 PALMS NO. 1	16,058		Completed	15,447			611		Arch				0	16,058
	1000 PALMS NO. 2	3,838		Completed	3,838			0	0	Arch				0	3,838
	WIDE CANYON NO. 1	14,305		Completed	14,305			0	0	Arch				0	14,305
	WIDE CANYON NO. 2	848		Completed	848			0	0	Arch				0	848
SEVEN PALMS (From E. Prt)	SEVEN PALMS	11,920		Completed	11,920			0	0	Arch				0	11,920
	From W. Prt	11,920		Completed	12,680			2,615		Arch				0	11,920
	From E. Prt	15,295		Completed	5,580			1,268		Arch				0	15,295
	From W. Prt	6,848		Completed	5,364			348		Arch				0	6,848
BLIND CANYON	MORONGO NO. 1	5,712		Completed	5,712			0	0	Arch				0	5,712
	MORONGO NO. 2	1,820		Completed	1,820			0	0	Arch				0	1,820
	SAN JACINTO	(67,563)		Completed	(26,538)			(41,025)		Arch				0	(67,563)
	Cahazott Shaft to East Portal	8,553		Completed	8,553			0	0	Arch				0	8,553
METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA	East from Potrero Shaft	43,511		Completed	43,511			0	0	Arch				0	43,511
	West from Potrero Shaft			Completed				0	0	Arch				0	
	East from Potrero Shaft			Completed				0	0	Arch				0	
	West from Potrero Shaft			Completed				0	0	Arch				0	

[illegible]

Contractor's Funds Taken By Mail Robbers

Breaking into a wooden mail and express box at Earp in the early morning hours of November 20, bandits slit the registered mail sack and extracted two parcels of money containing approximately \$5,600. Part of the money was destined for Six Companies, Inc., on the Parker Dam, and part was consigned to an Earp merchant who had planned to use it for cashing pay checks.

Postal inspectors and Santa Fe railway detectives are cooperating with sheriff's deputies in a full investigation of the crime. Officers throughout the Southwest have been notified of the robbery and a systematic combing of the eastern aqueduct area is under way.

To Receive Bids On Aqueduct Bonds

Bids for the purchase of a \$12,096,000 block of Colorado River Aqueduct bonds will be received at District headquarters by the District Board of Directors on December 13.

Sale of these bonds will provide funds for construction work on the aqueduct until approximately the middle of May, 1936, and will bring the total of aqueduct securities sold up to \$79,192,000.

Railway Bridge To Be Built Over Siphon

Bids on furnishing a steel deck girder bridge, which will carry the Santa Fe tracks across the Freda siphon of the aqueduct near Rice, will be opened at District headquarters on December 17.

Temporary tracks are being laid around the point where the railroad crosses the siphon, and will be used during the period while the bridge and the siphon at that point are under construction.

Plans call for the construction of concrete piers, separate from the siphon structure, to support the bridge, which will be approximately 36 feet long.

Safety on the Aqueduct

The November meeting of the Camp Safety Committee at Potrero Shaft, San Jacinto Tunnel, was an enthusiastic event in the accident prevention program, according to word received from Safety Engineer Osgood. The roll call revealed an attendance of 50 men, as follows:

H. E. Munn, Asst. safety engineer; F. S. Laird, construction superintendent; W. P. Bowlby, clerk; F. T. Burt, day walker; E. J. Sanders, night walker; M. Radokovich, night walker; Carl Larson, shifter; C. C. Carpenter, shifter; J. H. Schweer, master mechanic; D. McLean, electrical foreman; Chas. J. Conrad, subforeman; Alex Hansen, sub-foreman; A. L. Foss, inspector; C. Gray, engineer; Roland Dean, labor foreman; M. R. Pexton, first aid nurse; Dewey Hill, miner; Harry Garland, chucktender; J. G. Barnett, miner; Cecil Browner, blacksmith; K. O. Maynard, chucktender; Glen E. Smith, chucktender; W. J. Shillinglaw, pipeman; George Peterson, tunnel laborer; W. Sessions, miner.

L. J. Mace, tunnel laborer; J. E. McClure, chucktender; Arthur Dixon, miner; Anton Zagar, miner; T. J. Robertson, miner; K. P. Horton, blacksmith; G. A. Bailiff, mechanic; F. F. Huff, skiptender; E. Beckham, skiptender; C. G. Reeves, mechanic; E. M. Fogelsonger, chucktender; Joe Davis, miner; R. DeFord, welder; W. H. Johnson, mechanic; J. J. Graham, chucktender; W. A. Hall, mucking machine operator; J. E. Tranteau, laborer, tunnel; J. F. Urueta, chucktender; Dewey Price, tunnel laborer; M. O. Matz, tunnel laborer; C. Kelting, motorman; J. A. Richman, motorman; F. P. Smith, outside laborer; A. D. Sexton, outside laborer, and F. C. King, tunnel laborer.

H. E. Munn, assistant safety engineer, led the meeting and called attention to certain unsafe practices which had resulted in accidents. An animated general discussion of ways and means for preventing accidents was a feature of the meeting and all present indicated a determination to reduce the accident frequency rate.

* * *

During the period November 4 to 8, 1935, all employees of West Portal Camp received First Aid Instruction in classes conducted by Emory Smith of the United States Bureau of Mines. Judging by the interest and enthusiasm

displayed, the West Portal crews realize and appreciate the importance of becoming thoroughly familiar with this important work.

* * *

The joint safety committee meeting of Broderick & Gordon and Three Companies, Inc., held on November 29, was attended by C. J. Kavanagh, Wm. H. Smith, Ray Clay, Leslie Still, Jack Price, Adolph Kuhl, R. C. Philbert, George Nold, G. C. Smith, V. B. Connelly, and R. H. Lee.

Chairman Kavanagh introduced the new members of the committee, namely, Messrs. Williams, G. C. Smith, Connelly, and Lee.

All suggestions providing for safety measures brought before the previous meeting of the committee were pronounced to have been properly taken care of. Discussion centered around the point that all foremen should carefully instruct their men, and particularly new men, in the handling of equipment, and be continually on the lookout to correct any unsafe conditions that might arise.

Chief Electrician Raymond Klay was commended by Concrete Foreman Murphy on his daily service and examination of all electrical equipment as a safety precaution.

A study of accident reports revealed the interesting fact that the most dangerous work on the Broderick and Gordon tunnel job (if statistics are to be believed) was done by the kitchen help. There were four lost time accidents during the month, and two of these were sustained by members of the food dispensing staff. In view of the fact that those employed in the kitchen form only a small fraction of the payroll, it would appear that ladling soup is a more hazardous occupation than ladling muck.

* * *

Addresses by C. H. Fry, of the Industrial Accident Commission, and F. J. Connolly, of the Associated General Contractors, were features of the Contractors' Executive Safety meeting on November 20 at the Desert Inn, Palm Springs.

Thirty-six contractors and District representatives were in attendance, including the following:

F. S. Atkinson, secretary of the Hunkin-Conkey Construction Company; A. E. Barlow, vice-president, Thompson-

(Continued on Page 8.)

NEWS FROM FIELD AND OFFICE

Inspectors J. B. Nelville and S. D. Lutz have been transferred from Division 2 headquarters to Division 1.

* * *

Inspector H. D. MacDonald of Division 2 has been transferred to the Design division in the Los Angeles office.

* * *

Charles E. Lloyd, formerly of the Design division of the Los Angeles office, has been transferred to the Banning office.

* * *

Irving C. Hoffman, formerly with the Los Angeles County Regional Planning Commission, has accepted a position with the Griffith Company office force at Cajalco Dam.

* * *

Superintendent John Austin's Thousand Palms boys are at it again. During the month of November, working a total of 26 days, they drove 1101 feet of tunnel, or an average of 14.1 feet per shift—which is an all-time aqueduct record.

* * *

Division Engineer Whittier reports a new record hung up by Jahn & Bressi crews on Schedule 5, where 944 lineal feet of canal, involving 1331 cubic yards of concrete, was placed in 16 hours. This was the first time Jahn & Bressi's monolithic paver had been operated two shifts in one day.

* * *

Jerry Cranford, until recently a member of the Division 6 engineering staff and now with the U. S. Reclamation Bureau on the Grand Coulee Dam, in Washington, appears to be somewhat impressed with the size of the job. Anyway, he sends this vivid description of the undertaking: "This project reminds me of a Hollywood super-production. It's stupendous, sensational, marvelous, magnificent, and super-colossal. It's also very big."

* * *

Most of the thousands of gridiron fans who see the Stanford-Southern Methodist classic from the south end of the Rose Bowl January 1 may not know it, but they'll be owing some of their comfort to the Colorado River Aqueduct project. No longer will holders of tickets in the south end of the bowl have to climb those long concrete steps, stopping every now and then to catch their breath. This New Year they'll trip lightly over cat walks that are being built to bridge the fill being made with muck from the Pasadena tunnel of the distribution system of the aqueduct.

Aqueduct Temperatures

November 15 to 30, 1935

	Max.	Min.
Div. 1	76°	42°
Div. 2	75°	40°
Div. 3	77°	37°
Div. 4	78°	46°
Divs. 5 & 6	80°	35°

Senior Inspector L. D. Howland has been transferred from Division 2 to Division 1.

* * *

Shed a tear for the good ships Nellie Jo and Julia B. They're going to the place where all good ferry boats go, according to reports from the river of construction work going forward on a pontoon bridge, being built by Mrs. Nellie Bush, of Parker, Arizona, to carry traffic across the river from Earp to Parker. Control of the Colorado, as a result of the construction of Boulder and Parker dams, makes such a bridge feasible.



This gent may look like an inhabitant of dear old Frankfort-on-the-Main, but he's not. He's a denizen of the Parker Dam diversion tunnels. And what's more the name's Dan Foherty—which sounds more like Dublin than Frankfort to us. Anyway, he's a J. F. Shea Company foreman on the Parker tunnels. Before the river job opened up he was at Cottonwood—in fact, was the first Shea man there.

Chainman Robert E. Armstrong of Division 4 has been transferred to the Design division in the Los Angeles office.

* * *

Field Clerk Robert B. Huff, formerly at Long Canyon camp on the Coachella division, has been transferred to Division 2 headquarters.

* * *

If old Dame Rumor is to be believed, Tobe Carpenter, shifter at Potrero Shaft on San Jacinto tunnel, would make at least as good a chef as he does a tunnel man. They say his biscuits are divine.

* * *

Miss Marion Hazel Bangs of Dallas, Texas, became the bride on November 29 of W. L. Morgan of the Electrical division in the Los Angeles office. The ceremony was performed by Judge Blake. The new home will be in the Wallingford Apartments, 765 S. Irolo, Los Angeles.

* * *

Wood & Bevanda crews and members of the Metropolitan Water District staff at Division 2 headquarters were guests of the contracting firm at a special Thanksgiving dinner served on Saturday evening, November 23. Two hundred and eighty-nine sat down around the festive board. There were no speeches, and a good time was had by all.

* * *

Reports filtering in from the eastern end of the aqueduct carry the news that the Jahn & Bressi croquet champs—Messrs. Paine, King, Pierce, Downs, Stanfield, and Malcolm—have challenged any other wicket and mallet aggregation on the line on the basis of money, marbles, or chalk.

* * *

The Walsh Construction Company celebrated the holing through of the west portal of the Whipple Mountain tunnel with a special chicken dinner and dance on the evening of November 26. More than 200 dinners were served to Walsh crews, members of the Division No. 1 staff, and representatives of other contracting firms along the river.

* * *

If this sort of thing keeps up a society editor will have to be appointed for the NEWS. In addition to the other parties in aqueduct camps recently, Barrett, Hilp & Macco Company entertained members of its construction crews and members of the Division 2 staff at a special dinner on November 13. The occasion was the completion of their conduit section.

Half a Million People See Film

With a total of 164 theaters having shown the film to date, the current booking of the Metropolitan Aqueduct News is drawing to a close, according to the report of Roy Scrivner, who has been in charge of the distribution of the picture.

One hundred and thirty-nine theaters in the Metropolitan Water District cities and twenty-three theaters in surrounding cities have presented this short but comprehensive pictorial story of Colorado River Aqueduct progress. It is estimated that approximately 500 thousand Southern California citizens have viewed the film to date. This does not include the 73,000 who saw a similar picture at the San Diego Exposition.

In addition to the theater bookings in the Los Angeles area, the film was requested by the Boulder Theater, in Boulder City, Nevada, and the Yuma Theater, in Yuma, Arizona.

In reporting on the extensive booking of the reel, Mr. Scrivner expressed appreciation for the enthusiastic cooperation which he received from the theater officials. Of particular assistance were Ed Solig, Sam Blowitz, H. L. Stephens, Dane Boyd, and Charles Piercey, of Fox West Coast Theaters; Harry L. Rackin, of Principal Theaters, Inc., and E. Port Major, of Warner Brothers Theaters.

Bernasconi Tunnel Concreting Is Completed

Formal notice of completion of Bernasconi tunnel was filed with the District by the Hamilton & Gleason Company last week, following the placement of the last concrete lining in the bore on November 17.

Work at Bernasconi was carried forward under a contract awarded to Hamilton & Gleason on April 7, 1935, the contract price being \$412,055.

Somewhat over a mile (6,220 feet) in length the tunnel was driven from its east portal. Excavation was completed March 3, 1935. Approximately 20 per cent of the tunnel required support.

Harry S. Stocker has been general superintendent on the job, having succeeded J. H. King, who is now superintendent for Dixon-Bent-Johnson on their Distribution division tunnels.

SAFETY

(Continued from Page 6.)

Starrett Company; J. B. Bond, division engineer, Divisions 5 and 6; C. A. Bonner, safety engineer, Industrial Indemnity Exchange; R. C. Booth, division engineer, Division 1; J. L. Burkholder, assistant general manager of the District; H. E. Carleton, general manager, West Construction Company; C. G. Clapp, superintendent, Aqueduct Construction Company; R. G. Clifford, member of the Aqueduct Construction Company; F. J. Connolly, general manager of the Associated General Contractors; Harry Davis, superintendent, the Griffith Company; R. P. Downs, engineer, Jahn & Bressi Construction Company; C. M. Elliott, member, the Aqueduct Construction Company; C. H. Fry, superintendent of safety, Industrial Accident Commission; J. W. Gebb, assistant superintendent, Industrial Accident Commission; O. J. Johnson, chief timekeeper, Utah Construction Company; W. G. Knox, assistant safety engineer, the Metropolitan Water District; B. C. Leadbetter, division engineer, Division 4; R. E. McGonagle, resident engineer, Division 5; A. G. Moulton, vice-president, Thompson-Starrett Company; H. E. Munn, assistant safety engineer, the Metropolitan Water District; T. W. Osgood, safety engineer, the Metropolitan Water District; William Parkos, first aid nurse, Utah Construction Company; C. R. Rankin, general superintendent, San Jacinto tunnel (M. W. D.); H. F. Remmerbohm, superintendent, J. F. Shea Company; R. S. Seabrook, member, Aqueduct Construc-

PARKER SCHOOL

(Continued from Page 3.)

Beauvais, Ralph Clapp, Andy Tipton, Alberta Givens, Leonard Newman, Farrell Bailey, Loretta Craft, Betty Whitson, Donald Wood, Madelyn Goodale, Evelyn Preston, Cecil Preston, Betty Bolt, and Ted Jensen.

Winifred Coffey, Harry Bell, Darrell Carter, Vivian Barnett, Jim Barrett, Helen Allen, Marjorie Akers, Clara Badgett, Holande Coffey, Mary Cronin, Lloyd Goodale, Robert Jenkins, Barbara Killion, Barbara Nichols, Brenton Searway, Jack Sharp, Jack Shirey, Stanley Lupton, Hart Verzani, Billie Jean Wills, Jeanne Pierson, and Jack Schlect.

tion Company; G. J. Shea, manager, J. F. Shea Company; C. L. Smith, resident engineer, Division 3; John Stearns, division engineer, Division 3; R. L. Wahl, agent, Winston Brothers; D. C. Walker, resident engineer, Division 3; E. C. Warmbrodt, office manager, Broderick & Gordon Construction Company; W. E. Whittier, division engineer, Division 2; H. M. Wolfkin, senior engineer in charge of compensation claims, Metropolitan Water District; J. F. Van Ark, engineer, Industrial Accident Commission, and J. O. Young, general superintendent, Morrison-Knudson Company.

Chairman G. J. Shea called for members' comments regarding selection of a chairman and vice-chairman for 1936. It was determined that Mr. Shea and two committee members of his choice act as a nominating committee and report at the December meeting.



Iron Mountain Pump Lift. (See Story on Page 3.)